A CRITICAL OVERVIEW OF THE BEST PRACTICES GUIDE

SBT AVERS THAT THE *BEST PRACTICES GUIDE* (BPG) FAILS TO PROVIDE A COMPREHENSIVE GUIDELINE FOR THE TIMELY AND EFFECTIVE RESOLUTION OF INTERFERENCE ISSUES, INSTEAD PROVIDING NOTHING MORE THAN A SERIES OF LOOSELY WORDED SUGGESTIONS OSTENSIBLY AIMED AT RESOLVING INTERFERENCE AT SOME UNDEFINED FUTURE DATE. THESE SUGGESTIONS PROVIDE NO GUIDANCE OR DIRECTIVE REGARDING ALLOCATION OF THE COSTS INVOLVED IN SOLVING THE INTERFERENCE PROBLEMS, RESOLUTION TIME FRAME, ASSESSMENT RESPONSIBILITY FOR RESOLUTION, METHOD OF TESTING, RESOLUTION OF DISPUTED FINDINGS, AND OTHER ISSUES. RELIANCE ON THE 'SYSTEM' ESPOUSED IN THE BPG AS THE SOLUTION TO INTERFERENCE RESOLUTION THROUGH CODIFICATION OF THE BPG WOULD SIMPLY MAINTAIN THE STATUS QUO BY ALLOWING INTERFERENCE TO CONTINUE FOR LONG PERIODS AFTER THE PROBLEM HAS ARISEN AND FAILING TO CLEARLY IDENTITY OF THE PARTY RESPONSIBLE FOR SOLVING THE PROBLEM. IF THE COMMISSION IS TO CODIFY AN INTERFERENCE RESOLUTION MECHANISM, IT MUST PROVIDE A LEVEL OF DETAIL AND A FINITE PROCEDURE THAT ARE ENTIRELY ABSENT FROM THE BPG.

THE BPG ESSENTIALLY CREATES NO MORE THAN AN AMORPHOUS TWO STEP PROCESS FOR INTERFERENCE RESOLUTION. STEP ONE CONSISTS OF DETERMINING WHO IS CAUSING THE INTERFERENCE; STEP TWO CONSISTS OF FIXING THE PROBLEM, AND SUGGESTIONS FOR RESOLUTION ARE OFFERED. ANY SERIOUS EFFORT AT RESOLVING INTERFERENCE MUST BE FAR MORE AMBITIOUS AND SYSTEMATIC THAN THE NUMEROUS SHORT-COMINGS OF THE BPG, IN PRACTICAL APPLICATION ARE EASY TO IDENTIFY. THE BPG'S FIRST SUBSTANTIVE SUGGESTION FOR THE RESOLUTION OF INTERFERENCE IS FOR THE ENTITY RECEIVING INTERFERENCE TO DETERMINE WHO IS CAUSING SUCH INTERFERENCE: "[THE ENTITY RECEIVING INTERFERENCE] SHOULD CONTACT THE CMRS CARRIERS OPERATING IN THE AFFECTED AREA." BEST PRACTICES GUIDE AT V. A. IN A PERFECT WORLD, THIS SUGGESTION MAY PROVE EFFECTIVE, BUT IN REALITY THIS TASK IN AND OF ITSELF IS BOTH AN UNWIELDY BURDEN AND AN EXTREME IMPEDIMENT TO THE TIMELY RESOLUTION OF THE INTERFERENCE PROBLEM. THE BURDEN OF DETERMINING WHO IS CAUSING THE INTERFERENCE IS CUMBERSOME AS THERE ARE BOUND TO BE NUMEROUS CMRS CARRIERS OPERATING IN CLOSE PROXIMITY TO ANY PLACE AT WHICH INTERFERENCE IS RECEIVED. THIS IS THE CASE BOTH BECAUSE OF THE TENDENCY FOR ENTITIES TO CO-LOCATE TRANSMITTERS ON THE SAME TOWERS, AND DUE TO THE PROLIFERATION OF CMRS CARRIERS IN THE MARKET TODAY.

THE TASK OF IDENTIFYING THE INTERFERING PARTY IS FURTHER COMPLICATED BY THE FACT THAT EA AND BEA LICENSES ARE NOT REQUIRED TO REGISTER THEIR TRANSMISSION SITES WITH THE COMMISSION; AND THEREFORE, A PARTY RECEIVING INTERFERENCE MAY BE ENTIRELY UNABLE TO DETERMINE THE SOURCE EVEN BY REFERENCING THE COMMISSION'S RECORDS. WITH NO WAY TO IDENTIFY THE SOURCE OF THE INTERFERENCE WITH ANY CERTAINTY, THE VICTIMS OF INTERFERENCE MAY REMAIN STUCK AT THE BPG'S FIRST STEP FOR AN UNREASONABLE PERIOD OF TIME. CONFRONTED WITH THIS DEARTH OF INFORMATION, UNDER THE SYSTEM PROPOSED BY THE BPG, AN ENTITY MAY FIND ITSELF CALLING ALL CMRS CARRIERS IN THE NATION WITH LITTLE MORE THAN AN ADDRESS OR LOCATION AND AN INQUIRY REGARDING WHETHER THE CARRIER BELIEVES IT IS THE SOURCE OF THE PROBLEM. SUCH CALLS ARE UNLIKELY TO ELICIT A GREAT DEAL OF COOPERATION, AND SUCH INFORMATION AS IS AVAILABLE WILL IN MOST INSTANCES BE INSUFFICIENT TO IDENTIFY THE SOURCE OF INTERFERENCE. FOR THESE REASONS, THE BPG'S

CONCEPT OF PLACING THE BURDEN OF IDENTIFYING THE INTERFERING PARTY ON THE PARTY RECEIVING INTERFERENCE IS MISGUIDED. SUCH A TASK SHOULD BE HANDLED BY AN ENTITY THAT IS ADEPT AT SUCH TASKS AND CAPABLE OF GLEANING FROM THE AVAILABLE INFORMATION THE ENTITIES MOST LIKELY CAUSING SUCH INTERFERENCE. FURTHERMORE, THE SBT STRONGLY AVERS THAT IT IS ESSENTIAL THAT ALL TRANSMISSION SITES BE REGISTERED WITH SOME ENTITY REGARDLESS OF THE TYPE OF LICENSE THEY ARE ASSOCIATED WITH. THE VALUE OF HAVING ALL SUCH INFORMATION ON RECORD FAR OUTWEIGHS ANY BURDEN CREATED BY SUCH AN OBLIGATION.

THE BPG'S SECOND STEP TOWARDS INTERFERENCE RESOLUTION IS THE SUGGESTION THAT ENTITIES RECEIVING INTERFERENCE SHOULD COOPERATE IN TESTING TO DETERMINE THE CAUSE AND EXTENT OF THE INTERFERENCE RECEIVED, AND "SHOULD COOPERATE TO DETERMINE THE MOST EFFICIENT ALLOCATION OF COSTS AND RESOURCES NECESSRY FOR INTERFERENCE MITIGATION, TAKING INTO ACCOUNT THE COSTS AND BENEFITS OF MITIGATIVE ACTIONS." BEST PRACTICES Guide at V.A. While undoubtedly, such cooperation must occur, the BPG PROVIDES NO SOLUTION FOR INTERIM STEPS TO RESOLVE SUCH INTERFERENCE, AND CERTAINLY NO IMMEDIATE RELIEF. FIREMEN IN A BURNING BUILDING, POLICE OFFICERS CLEARING THE SITE OF A BOMB THREAT, AND AN AMBULANCE SQUAD CALLING A HOSPITAL FOR INSTRUCTIONS REGARDING AN IMMOVABLE PATIENT ARE IN NEED OF IMMEDIATE RESOLUTION OF THE INTERFERENCE PROBLEMS FACING THEM. THEY REQUIRE THE ABILITY TO HAVE THE INTERFERENCE ADDRESSED WHILE THEY CONDUCT THEIR WORK, NOT TO HAVE THE INTERFERENCE ADDRESSED FOLLOWING SEVERAL MONTHS OF TESTING AND NEGOTIATION. THE BPG DOES NOT ADDRESS EMERGENCY SITUATIONS AND THEREFORE RISKS THE LIVES OF PUBLIC SAFETY PERSONNEL AND THE CITIZENS OF THIS NATION NEEDLESSLY. CASES OF INTERFERENCE TO PUBLIC SAFETY ENTITIES CAN AND SHOULD BE ADDRESSED IMMEDIATELY, AND PERMANENTLY SOLVED WHEN TIME PERMITS. FURTHERMORE, DISPATCH SERVICE PROVIDERS SHOULD HAVE SOME IMMEDIATE RECOURSE FOR THEIR INTERFERENCE PROBLEMS WHEN SUCH PROBLEMS THREATEN THEIR BUSINESS, AND CERTAINLY WHEN THEY MAY THREATEN LIFE OR PROPERTY. No LICENSEE SHOULD CONSIDER ITS FCC LICENSE AN AUTHORIZATION TO INTERFERE, AND ANY UNWILLINGNESS TO IMMEDIATELY ADDRESS INTERFERENCE CAUSED TO OTHER SYSTEMS IS INDICATIVE OF SUCH A PRESUMPTION ON THE PART OF A LICENSEE. INSOFAR AS THE BPG OFFERS NO SUCH MEANS OF IMMEDIATE RESOLUTION OF INTERFERENCE COMPLAINS, THE BPG OFFERS LITTLE SUBSTANTIVE RELIEF FROM INTERFERENCE.

TO ASSIST THE PARTIES IN THEIR NEGOTIATION OF THE PROPER MEANS OF RESOLVING THE IDENTIFIED INTERFERENCE PROBLEM, THE BPG OFFERS A LIST OF SUGGESTED APPROACHES TO INTERFERENCE RESOLUTION. THE SUGGESTED APPROACHES ARE RETUNING CMRS CHANNELS FURTHER AWAY FROM PUBLIC SAFETY OPERATOR'S CHANNELS, MODIFYING CMRS POWER LEVELS, ANTENNA HEIGHT AND ANTENNA CHARACTERISTICS, ASSURING PROPER OPERATION OF BASE STATION EQUIPMENT, IMPROVING LOCAL SIGNAL STRENGTH OF PUBLIC SAFETY COMMUNICATIONS, AND THE INCORPORATION OF FILTERS INTO CMRS SYSTEMS. BEST PRACTICES GUIDE V.A. 1 & 2. WHILE ITS LIST OF SUGGESTED RESOLUTIONS IS FAIRLY COMPREHENSIVE, THE BPG OFFERS NO HIERARCHY OF SOLUTIONS. IN FAILING TO RANK THE SUGGESTED RESOLUTIONS IN ANY ORDER OR PROVIDE A SYSTEM FOR SELECTING A RESOLUTION METHOD WHEN A DISPUTE BETWEEN

METHODS EXISTS, ADHERENCE TO THE BPG COULD RESULT IN AN UNDUE AMOUNT OF TIME LOST WHILE THE PARTIES NEGOTIATE BETWEEN VARIOUS RESOLUTION OPTIONS. THIS NEGOTIATION MAY BE ONE SIDED AS THE PARTY RECEIVING INTERFERENCE MAY NOT HAVE SUFFICIENT MEANS TO PARTICIPATE MEANINGFULLY IN THE PROCESS OR AFFORD ANY SOLUTION INVOLVING CHANGES TO THEIR SYSTEMS.

THE AFFORDABILITY OF THE SUGGESTIONS PROFFERED IN THE BPG ARE THEMSELVES SUBJECT TO OBJECTION. IT IS THE POSITION OF THE SBT THAT THE SUGGESTIONS THAT CMRS CARRIERS ALTER THEIR SYSTEM TO PROTECT OTHER OPERATORS ARE FULLY ACCEPTABLE. ON THE OTHER HAND, THE SUGGESTION THAT THE ENTITIES RECEIVING INTERFERENCE OBTAIN NEW EQUIPMENT, ADD BASE STATIONS WITHIN THEIR CONTOURS, OR OTHERWISE MODIFY THEIR SYSTEM ARE ADDING BASE STATIONS, IN MOST INSTANCES, IS A UNDULY PUNITIVE. TREMENDOUS EXPENSE THAT MANY PUBLIC SAFETY AND DISPATCH ENTITIES SIMPLY CANNOT ENDURE. SUCH A SOLUTION ALSO IGNORES THE FACT THAT THESE ENTITIES ARE THE VICTIMS OF INTERFERENCE, NOT THE SOURCE. EVEN HANDED REMEDIATION OF INTERFERENCE ISSUES SHOULD APPROPRIATELY FOCUS ON MAKING CHANGES TO THE INTERFERING SYSTEM AS THAT SYSTEM IS CAUSING THE PROBLEM, AND THUS IS VIOLATING THE COMMISISON'S RULES AGAINST CAUSING HARMFUL INTERFERENCE. SHOULD THE COMMISSION ADOPT TECHNICAL SOLUTIONS AS A RESULT OF THE NPRM, SUCH SOLUTIONS WILL UNDOUBTEDLY INVOLVE A FUNDING MECHANISM FOR AFFECTING SUCH CHANGE, BUT THE BPG OFFERS NO SUCH MECHANISM AND FAILS ENTIRELY TO ADDRESS THE AFFORDABILITY OF THE SUGGESTED INTERFERENCE SOLUTIONS. THE FAILURE TO CONTEMPLATE MONETARY CONSIDERATIONS MAKES THE BPG IMPRACTICABLE AT BEST AND PUNITIVE AT WORST.

UNFORTUNATELY, THE BPG'S APPROACH AMOUNTS TO LITTLE MORE THAN DIRECTING AN AGGRIEVED PARTY TO PICK UP THE PHONE BOOK AND CALL AROUND TO FIGURE OUT 'WHO DONE IT,' FOLLOWED BY THE SUGGESTION THAT THE PARTY PARTICIPATE IN FIGURING OUT HOW TO FIX THE PROBLEM. WHILE IT IS NOT THE INTENTION OF THE SBT TO UNDULY CRITICIZE THE EFFORT OF THOSE PARTIES THAT PARTICIPATED IN DRAFTING THE BPG, THE SBT NOTE THAT THE BPG DOES NOTHING MORE THAN STATE THE OBVIOUS WITHOUT PROVIDING ANY FRAMEWORK FOR DETERMINING EITHER A TEMPORARY OR PERMANENT SOLUTION. COMMISSION'S RULES IN FEW, IF ANY, INSTANCES DEAL IN VAGUE SUGGESTIONS OR GUIDELINES, AND THERE IS NO REASON FOR SUCH TO BE THE CASE WITH INTERFERENCE RESOLUTION. THE BPG PROVIDES NO TIME FRAME FOR INTERFERENCE RESOLUTION, IT PROVIDES NO ASSESSMENT FOR EXPENSES TO THE PARTY RECEIVING INTERFERENCE, IT PROVIDES NO STRICT GUIDELINES FOR DETERMINING HOW TO RESOLVE THE SITUATION, AND IT PROVIDES NO HIERARCHY OF PREFERENCE AMONG POSSIBLE RESOLUTIONS. IN ESSENCE, THE BPG PROVIDES NO GREATER GUIDANCE REGARDING INTERFERENCE RESOLUTION THAN DO THE COMMISSION'S RULES AS CURRENTLY CONSTITUTED.

AMONGST THE MOST GLARING SHORT-COMINGS OF THE BPG IS THAT IT ADDRESSES ITSELF EXCLUSIVELY TO INTERFERENCE TO PUBLIC SAFETY SYSTEMS. WHILE IT IS UNDENIABLE THAT INTERFERENCE TO PUBLIC SAFETY SYSTEMS OFTEN HAS HIGHER STAKES INVOLVED THAN DOES INTERFERENCE TO COMMERCIAL AND PMRS SYSTEMS, THERE IS NO REASON TO SET UP AN INTERFERENCE GUIDELINE

THAT REFERENCES ONLY PUBLIC SAFETY INTERFERENCE. AMONG THE REASONS PUBLIC SAFETY SYSTEMS RECEIVE INTERFERENCE IS THE ANALOG EQUIPMENT COMMONLY UTILIZED IN SUCH SYSTEMS. THIS EQUIPMENT IS FUNCTIONALLY IDENTICAL TO THE EQUIPMENT USED BY THOUSANDS OF CMRS AND PMRS DISPATCH OPERATORS. IN FACT, NUMEROUS PUBLIC SAFETY ENTITIES RELY ON DISPATCH SERVICE RECEIVED FROM CMRS AND PMRS OPERATORS DUE TO THE AFFORDABLILITY, PROLIFERATION AND AVAILABILITY OF SUCH SERVICE. THUS, THE OPPORTUNITY EXISTS TO OFFER INTERFERENCE SOLUTIONS FOR A FAR BROADER GROUP OF LICENSEES THAN IS THE FOCUS OF THE BPG. BY FOCUSING ON THE TYPES OF OPERATION THAT TENDS TO CAUSE INTERFERENCE AND THE TYPE OF EQUIPMENT THAT TENDS TO SUFFER FROM INTERFERENCE IT IS POSSIBLE TO OFFER INTERFERENCE RESOLUTION TO MOST LICENSEES RATHER THAN AN INSULAR SEGMENT OF LICENSEES.

IT IS ALSO IMPORTANT TO NOTE THAT THE INDIVIDUAL RECEIVING INTERFERENCE MAY NOT BE ABLE TO DETERMINE THE EXTENT OF SUCH INTERFERENCE, DETERMINE WHERE IT OCCURRED, HOW LONG IT PERSISTED, WHAT CHARACTERISTICS IT EXHIBITED, ETC. THE FACT IS THAT PUBLIC SAFETY PERSONNEL OR CUSTOMERS OF DISPATCH SYSTEMS ARE NOT THE PARTIES BEST SUITED TO DETERMINE WHO IS CAUSING THEM INTERFERENCE. SUCH A DETERMINATION SHOULD BE MADE BY AN ENTITY WITH RESOURCES DEVOTED TO SUCH MATTERS.

List of Commenting Parties

NEC America, Inc.	NEC	Carolina Power and	
Access Spectrum,		Light Company/	
LLC	Access Spectrum	TXU Business	
Ad Hoc Wireless		Services	Carolina Power
Alliance	AHWA	Cascade Two-Way Radio	Cascade
Aeronautical Radio,	ABINO	Cellular	Cascade
Inc.	ARINC	Telecommunications	
Alltel Communications,		& Internet	
Inc./ Cingular		Association	CTIA
Wireless, Inc.	Alltel/Cingular	Cinergy Corporation	Cinergy
Ameren Corporation	Ameren	Cities of College	
American Electronic		City Texas, and	
Power Company,		Bryan Texas	College Station/ Bryan
Inc.	AEP	City of Austin	Austin
American Mobile		City of Baltimore	Baltimore
Telecommunications		City of Fort	Et I audandala
Association, Inc.	AMTA	Lauderdale	Ft. Lauderdale
American Petroleum		City of Gainesville	Gainesville
Institute	API	City of New York	NYC
American Public		City of Portland	Portland
Transportation		Codington-Clark Electric	Codington-Clark
Association	APTA	Cooperative, Inc.	Electric
American Radio		Commercial Radio	Electric
Relay League, the		and Television, Inc.	CRT
National Association		Commonwealth of	
of Radio Operators	AARL	Virginia, Department	
American Water		of Information	
Works Association	AWWA	Technology	Virginia
Association of		Consumers Energy	
American Railroads	AAR	Company	Consumers
Association of		Coupe	
Public-Safety		Communications	Coupe
Communications		Dallas Area Raid	
Officials International, Inc.*	APCO	Transit Authority	DART
AT&T Wireless	A 00	Danny Hampton	Hampton
Services, Inc.	AWS	Delmarva Power &	
Avaya, Inc.	Avaya	Light Company	Delmarva
AVR, Inc.	AVR	Dennis Brown	Brown
i '		Department of	
Bergen County Police Department	Bergen County	Information	
Blooston,	Bergen County	Technology, Fairfax,	Fairfax
Mordkofsky,		Dobson	Faillax
Dickens, Duffy &		Communications	
Pendergast	Blooston	Corporation	Dobson
Boeing Company	Boeing	Duke Energy	
Bosshard Radio		Corporation	Duke
Service	BRS	E.F. Johnson	
Business		Company	E.F. Johnson
Autophones, Inc	BAI	East River Electric	
		Power Cooperative,	
		Inc.	East River

Eastman Chemical	1	Kenwood	
Company	Eastman	Communications	
Entergy Corporation	Lasiman	Corporation	Kenwood
and Entergy		King County	
Services	Entergy	(Washington)	King County
Exelon Corporation	Exelon	Lockheed Martin	
Federal Express,		Corporation	Lockheed Martin
Inc.	FedEx	Lubrizol Corporation	Lubrizol
FEM Electric		M/A-Com, Inc., a	
Association, Inc.	FEM	division of Tyco	
Fischer Wireless		Electronics	MA-Com
Services	Fischer	Marnell Corrao	
Florida Power and		Associates	Marnell
Light	FPL	Maui County	Maui
Focus 2000		Metropolitan Transit	
Communications	Focus	Authority of Harris County	нс
Forestry		•	110
Conservation		Metropolitan Utilities	
Communications	F004	District/ Omaha	AUD (ODDO
Association	FCCA	Public Power District Motient	MUD/OPPO
Harmer Radio &	1	Communications,	
Electronics, Inc.	Harmer	Inc.	Motient
H-D Electric		Motorola, Inc	Motorola
Cooperative, Inc.	H-D Electric	National Association	Wiotorola
Holy Cross Electric		of Counties*	NACo
Association, Inc.	Holy Cross		NACO
Ilinois Power	150	National Association of Manufacturers	NAM
Company	IPC	National Association	IVAIVI
Intel Corporation	Intel	of	
International Association of		Telecommunications	
Chiefs of Police,		Officers and	
Major Cities Chiefs		Advisors*	NATOA
Association,		National League of	
National Sherrif's		Cities*	NLC
Association, Major		National Ready Mix	
County Sherrif's		Concrete	
Association	IACP/MCC/NSA/MCSA	Association	NRMCA
International		National Rural Electric Cooperative	
Association of Fire		Association	NRECA
Chiefs, Inc. &			THILE OF T
International		National Rural	
Municipal Sign	IAFC/IMSA	Telecommunications Cooperative	NRTC
Association	ISG	,	NIC
ISG Cleveland, Inc. Island SMR	Island SMR	New Jersey Transit Authority	NJ Transit
Jones Onslow	ISIANU SIVIN		IND FIGURAL
Electric Membership		New York City	NVOT
Corporation	Jones Onslow EMC	Transit Authority	NYCT
Kankakee Valley	USING CHOOT LING	Nextel	
Rural Electric		Communications,	Nextel
Membership			INCYIGI
Corporation	KVREMC	Northern Electric	Northarn Electric
	,	Cooperative	Northern Electric

Office of the Chief Technology Officer, Government of the		Society of Broadcast Engineers, Inc. Southeastern	SBE
District of Columbia Ohio Multi Agency Radio Communications	DC	Electric Cooperative, Inc. Southern Linc Southwest	Southeastern Electric Southern
System Pinnacle West	MARCS	Louisiana Electronic Membership	
Capital Corporation Preferred	Pinnacle	Corporation Spectrum Clearing	SLEMCO
Communications		Alliance	SCA
Systems, Inc.	PCSI	State of Arizona	Arizona
Private Wireless	PWC	State of Florida State of Hawaii	Florida Hawaii
Coalition	PVVC	State of Maryland	riawaii
Professional Communications	PC	Department of	
Public Safety		Budget and	
Improvement		Management Office	
Coalition	PSIC	of Technology	Maryland
Public Safety		Telecommunications	
Wireless Network		Industry Association	TIA
Program	PSWN	United States	
Qualcomm, Inc.	Qualcomm	Celluar Corporation	U.S. Cellular
RadioSoft	RadioSoft	United Telcom	
RCC Consultants,		Council	UTC
Inc	RCC	Utah	
Regional		Communications Agency Network	UCAN
Communications System	RCS	UTAM, Inc.	UTAM
Renville Sibley	100	UTStarcom, Inc.	UTStarcom
Cooperative Power		Verizon Wireless	Verizon
Association	Renville-Sibley	Washington Electric	Venzon
Richard C.		Membership	
Nowakowski	Nowakowski	Corporation	Washington EMC
San Francisco Bay		Western	_
Area Rapid Transit	BART	Communications	Western
District	DARI	White County Rural	
Satellite Industry Association	SIA	Electric Membership	
Scana Corporation	Scana	Corporation, Inc.	White County REMC
Shook, Hardy &	Coaria	Xcel Energy Services, Inc.	Xcel
Bacon, LLC	Shook	Services, Iric.	Acei
Shulman, Rogers,			
Gandal, Pordy &			
Ecker, P.A.	Shulman		
Sid Richardson			
Energy Services Co.	Richardson		
Skitronics, LLC	Skitronics		
SmartLink	SmartLink		
Snohomish County			
Emergency Radio	0000		
System	SERS		

CERTIFICATE OF SERVICE

I, Jason Emala, hereby certify that on this 1st day of August, 2002, I caused a copy of the foregoing Reply Comments to be served by First Class U.S. Mail, postage prepaid, to the following:

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